



STIC Search Report

EIC 3700

STIC Database Tracking Number: 169551

TO: Patricia Martin
Location: RND 8a40
Art Unit: 3937
Wednesday, October 26, 2005

Case Serial Number: 10/696510

From: Terry Solomon
Location: EIC 3700
RND 8b31
Phone: 272-4240

terrance.solomon@uspto.gov

Search Notes

No current or past litigation found involving US pat. 6408849.

Sources:

Lexis/Nexis
Questel-Orbit
Courtlink

Patent Search - Number: 6,408,849

No cases containing this patent number were found.

[Return to Search](#)

(Charges for search still apply)

[Pricing](#) [Privacy](#) [Master Services Agreement](#)

[Copyright](#) © 2005 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.

336060 (09) 6408849 June 25, 2002

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6408849

◆ [Get Drawing Sheet 1 of 2](#)

[Access PDF of Official Patent *](#)

[Check for Patent Family Report PDF availability *](#)

* Note: A transactional charge will be incurred for downloading an Official Patent or Patent Family Report. Your acceptance of this charge occurs in a later step in your session. The transactional charge for downloading is outside of customer subscriptions; it is not included in any flat rate packages.

[Link to Claims Section](#)

June 25, 2002

Recovery and purification of gases used in medical processes

REISSUE: October 29, 2003 - Reissue Application filed Ex. Gp.: 3761; Re. S.N. 10/696,510 (O.G. June 15, 2004)

APPL-NO: 336060 (09)

FILED-DATE: June 18, 1999

GRANTED-DATE: June 25, 2002

ASSIGNEE-AT-ISSUE: Aeronex, Inc., San Diego, California, 02

ASSIGNEE-AFTER-ISSUE: June 18, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., AERONEX, INC. 6975 FLANDERS DRIVE SAN DIEGO CALIFORNIA 92121, Reel and Frame Number: 10047/0066

February 6, 2004 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., MYKROLIS CORPORATION 129 CONCORD ROAD BILLERICA MASSACHUSETTS 01821-4600, Reel and Frame Number: 14313/0305

LEGAL-REP: Brown Martin Haller & McClain - ##0

Selected file: PLUSPAT
PLUSPAT - (c) Questel-Orbit, All Rights Reserved.
Comprehensive Worldwide Patents database

**** SS 1: Results 1**
PRT SS 1 MAX 1 LEGALALL

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image

Patent Number :

US6408849 B1 20020625 [US6408849]

Title :

(B1) Recovery and purification of gases used in medical processes

Patent Assignee :

(B1) AERONEX INC (US)

Patent Assignee :

Aeronex, Inc., San Diego CA [US]

Inventor(s) :

(B1) ALVAREZ JR DANIEL (US); COOK JOSHUA T (US); SHOGREN PETER K (US); SPIEGELMAN JEFFREY J (US)

Application Nbr :

US33606099 19990618 [1999US-0336060]

Priority Details :

US33606099 19990618 [1999US-0336060]

Intl Patent Class :

(B1) A62B-007/10 A62B-023/02

EPO ECLA Class :

B01D-053/04
B01D-053/26B
C01B-023/00D6

EPO ICO Class :

M01B-210/00D4D
M01B-210/00D4D12
M01B-210/00Q
M01B-210/00W10
M01B-210/00W14
M01B-210/00W2
M01B-210/00W4

US Patent Class :

ORIGINAL (O) : 128205270; CROSS-REFERENCE (X) : 128205120 128205280
128898000

Document Type :

Corresponding document

Citations :

US3674022; US5542966; US5545396; US5632803; US5642625; US5707425;
US5785953; US5789921; US5803064; US5809801; US5860295; US5934103;
US6059859; US6089282; US6125654; US6134913; WO0078398; WO0078432
Albert and Balamore, Physics Res. A Nucl. Instr. And Meth.,
"Development of hyperpolarized noble gas MRI," 402:441-453 (1998).

Beardsley, "Seeing the Breath of Life," Scientific American,
280(6):33-34 (Jun. 1999).

Publication Stage :

(B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001

Abstract :

A method is disclosed for providing a pure gas for use medical procedures in which the gas is contaminated with other gases during the procedure, and then separating the contaminants and recovering and reusing the decontaminated gas. The method is most advantageously used in medical imaging processes, such as magnetic resonance image (MRI), where hyperpolarized image enhancing noble gases, notably He3 or Xe129, are used for image enhancement in brain and lung imaging, and in which the contaminants are normally the exhalant gases from the imaged patient. The contaminated gas is passed through a series of drying and purification steps to remove the exhalant gases and separate the gas. The purified gas is then recovered and stored for reuse. This system

prevents the loss of significant amounts of the image enhancing gases, which is important since key gases such as He3 and Xe129 are rare and expensive, and (especially He3) permanently lost once vented. Recovery of medical process gases such as those including isotopes of carbon, fluorine or phosphorus is also contemplated. High quality MR images of lung structures and processes and of brain functions can be obtained using the purified gases from this process.

Update Code :

2002-27

1 / 1 LGST - ©EPO

Patent Number :

US6408849 B1 20020625 [US6408849]

Application Number :

US33606099 19990618 [1999US-0336060]

Action Taken :

20040206 US/AS-A

ASSIGNMENT

OWNER: MYKROLIS CORPORATION 129 CONCORD ROADBILLERICA, MA; EFFECTIVE

DATE: 20031027

ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:AERONEX, INC.

/AR;REEL/FRAME:014313/0305

20040615 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20031029

Update Code :

2005-18

1 / 1 CRXX - ©CLAIMS/RRX

Patent Number :

6,408,849 A 20020625 [US6408849]

Patent Assignee :

Aeronex Inc

Actions :

20031029 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20040615

REISSUE REQUEST NUMBER: 10/696510

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3761

Reissue Patent Number:

20040206 REASSIGNED

ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: AERONEX, INC., DATE SIGNED: 10/27/2003

Assignee: MYKROLIS CORPORATION, 129 CONCORD ROAD, BILLERICA,
MASSACHUSETTS, 01821-4600

Reel 014313/Frame 0305

Contact: TIMOTHY J. KING, 129 CONCORD ROAD, BILLERICA, MA 01821-4600

Session finished: 25 OCT 2005 Time 20:48:27

QUESTEL.ORBIT thanks you. Hope to hear from you again soon.